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(54) Title: NIOBIUM-BASED COMPOSITIONS AND COATINGS, NIOBIUM OXIDES AND THEIR ALLOYS APPLIED BY THERMAL SPRAYING AND THEIR USE AS AN ANTICORROSIVE

(57) Abstract: The novelty proposed herein describes the application of niobium-based compositions and coatings, niobium oxides and their alloys capable of associations with other oxides and alloys by means of the thermal spraying technique for the purpose of an anticorrosive protection in highly corrosive environments, mainly those which present high temperatures, show presence of gases such as H<sub>2</sub>S, SO<sub>2</sub>, CO<sub>2</sub>, as well as organic and inorganic acids, commonly found in industrial centers.



WO 2004/022806 A1